

JC17 Rec'd PCT/PTO 16 SEP 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Kindly cancel claims 1 - 9 without prejudice, in favor of new claims 10 - 21.

Claims 1 - 9. (Cancelled)

10. (New) An isocyanate-free foamable mixture comprising:

(A) a mixture of prepolymers in which 50-99% of the chain ends are terminated by alkoxysilyl groups and 1-50% of the chain ends are terminated by groups of the formula [2]



where

A^1 is an oxygen atom, an $N-R^2$ group or a sulfur atom,

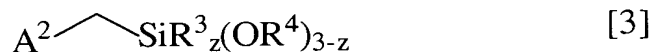
R^1 is an alkyl, cycloalkyl, alkenyl, aryl or arylalkyl radical having 2-50 carbon atoms in which the carbon chain is optionally interrupted by nonadjacent oxygen atoms, sulfur atoms or $N-R^2$ groups, and the carbon chain of R^1 is optionally substituted by lateral alkyl groups having 1-10 carbon atoms or halogen atoms, and

R^2 is a hydrogen atom or an alkyl, alkenyl or aryl radical having 1-10 carbon atoms, and

(B) a hydrocarbon blowing agent.

11. (New) The mixture of claim 10, wherein R^1 is an alkyl or alkenyl group having 8-26 carbon atoms.

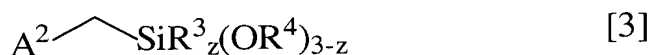
12. (New) The mixture of claim 10, comprising prepolymers which have alkoxysilyl groups of the formula [3]



where

- A^2 is an oxygen atom, an N- R^5 group or a sulfur atom,
 R^3 is an alkyl, cycloalkyl, alkenyl or aryl radical having 1-10 carbon atoms,
 R^4 is an alkyl radical having 1-2 carbon atoms or an ω -(oxyalkyl)alkyl radical having a total of 2-10 carbon atoms,
 R^5 is a hydrogen atom, an alkyl, alkenyl or aryl radical having 1-10 carbon atoms, or a $-\text{CH}_2-\text{SiR}^3_z(\text{OR}^4)_{3-z}$ group and,
 z is 0, 1 or 2.

13. (New) The mixture of claim 11, comprising prepolymers (A) which have alkoxysilyl groups of the formula [3]



where

- A^2 is an oxygen atom, an N- R^5 group or a sulfur atom,
 R^3 is an alkyl, cycloalkyl, alkenyl or aryl radical having 1-10 carbon atoms,
 R^4 is an alkyl radical having 1-2 carbon atoms or an ω -(oxyalkyl)alkyl radical having a total of 2-10 carbon atoms,
 R^5 is a hydrogen atom, an alkyl, alkenyl or aryl radical having 1-10 carbon atoms, or a $-\text{CH}_2-\text{SiR}^3_z(\text{OR}^4)_{3-z}$ group and,
 z is 0, 1 or 2.

14. (New) The mixture of claim 12, wherein A^2 in the general formula [3] is part of a urea or urethane unit.

15. (New) The mixture of claim 13, wherein A² in the general formula [3] is part of a urea or urethane unit.
16. (New) The mixture of claim 10, wherein the hydrocarbon blowing agent (B) comprises one or more hydrocarbons having 1-5 carbon atoms.
17. (New) The mixture of claim 12, wherein the hydrocarbon blowing agent (B) comprises one or more hydrocarbons having 1-5 carbon atoms.
18. (New) The mixture of claim 10, comprising a blowing agent mixture which comprises at least 50% by volume of hydrocarbon blowing agent (B) and one or more further blowing agents.
19. (New) The mixture of claim 18, wherein a further blowing agent is dimethyl ether.
20. (New) A process for preparing a foamable mixture of claim 10, wherein the prepolymer (A) is prepared at least partly in a pressure vessel.
21. (New) A pressure vessel containing a foamable mixture of claim 10.